

CD37 Polyclonal Antibody

Catalog # AP73645

Specification

CD37 Polyclonal Antibody - Product Information

Application WB, IHC-P
Primary Accession P11049
Reactivity Human
Host Rabbit
Clonality Polyclonal

CD37 Polyclonal Antibody - Additional Information

Gene ID 951

Other Names

CD37; TSPAN26; Leukocyte antigen CD37; Tetraspanin-26; Tspan-26; CD37

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~ \sim N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CD37 Polyclonal Antibody - Protein Information

Name CD37

Synonyms TSPAN26

Function

Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling. Participates thereby in diverse biological functions such as cell signal transduction, adhesion, migration and protein trafficking (PubMed:22624718). Upon ligand binding, two signaling pathways are activated, one acting through phosphorylation by LYN leading to cell death or a survival pathway with activation of GSK3B (PubMed:22624718). Plays an essential role essential for clustering of integrin ITGA4/ITGB1 and promotes its mobility in the plasma membrane of B-cells. In turn, participates in ITGA4/ITGB1 integrin-mediated antiapoptotic signaling through AKT (By similarity). Also plays a role in the migration of dendritic cells and neutrophils to draining lymph nodes, as well as in their integrin- mediated adhesion (By similarity). Negatively regulates IL-6 responses through direct





interaction with SOCS3 thereby preventing constitutive IL-6 signaling (PubMed:26784544). Alternatively, inhibition of IL-6 signaling can also occur via interaction and stabilization of DECTIN1/CLEC7A at the cell membrane to inhibit its ability to promote the production of IL-6 (PubMed:17182550).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

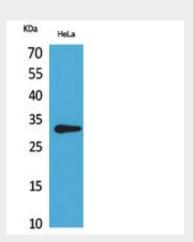
B-lymphocytes (PubMed:26784544). Antigen presenting cells (PubMed:17182550).

CD37 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

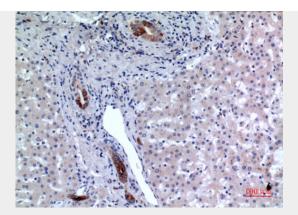
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD37 Polyclonal Antibody - Images



Western Blot analysis of HeLa cells using CD37 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000





Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100